Sample Issue Sheets for Issue Statements 3 and 4
Oroville Facilities Relicensing (FERC Project No. 2100)

Issue Statement: E3

Evaluate potential for improved operation of Oroville Facilities through additional coordination with other water storage facilities and regulatory and resource agencies (e.g. Calfed).

Geographic Scope/Level of Analysis Needed:

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Resource Goals:

Evaluate the potential for the California Department of Water Resources to coordinate the operation of the Oroville Facilities with the following organizations

United States Bureau of Reclamation
United States Army Corps of Engineers
Pacific Gas and Electric Company
Yuba County Water Agency
United States National Marine Fisheries Service
United States Fish and Wildlife Service
California Department of Fish and Game

Existing Information:

Current Coordination Activities

Flood Control

DWR's Flood Operations Center coordinates the releases from the major reservoirs throughout the state of California to minimize flooding. This coordination involves the operations of the Oroville complex by DWR, Bullards Bar by YCWA, and the Shasta and Folsom complexes by the USBR. This coordination often involves consultation with the USACE.

Hatchery Operations

DWR coordinates with DFG to meet the varying needs of the Feather River Fish Hatchery.

Information Needed:

Issue Statement: E4

Use support system models to evaluate different flow regimes.

Use existing or develop necessary computer simulation tools to evaluate different flow regimes from the operations of the Oroville facilities.

Inputs

Inflow to Lake Oroville
Required flows
- In the low-flow section of the Feather River
- Downstream of the Thermalito Afterbay outlet
- Requirements downstream of Verona

Power generation abilities
Pumping abilities
Contributions from the Yuba and Bear Rivers
Diversions and returns on the Feather River downstream of Oroville Dam
Fish hatchery operations
Maintenance schedules
Bathymetry, contours, and mechanics of system
Source water temperatures

Outputs

Changes to reservoir levels
Power generation capacity
Flow and stage levels in river channel
Temperatures